

## Page 1 of 1

All amounts are calculated in domestic currency.

## All Line Item Types

[illegible]

# B I L L O F L A D I N G

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 968294  
Ship Date 09Dec15 at 16:09 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-873901- 1 Your PO # 30542  
Part # thickness tol ++ .030.124" Rel #

ALUMINUM PLATE 7075-T651

1.250" THICK X 2.0000" X 110.0000"

Heat Number Tag No  
9327144 483454

Quantity PCS Wt LBS  
3.06 SFT 2 62

2) Our Order PEC-873901- 2 Your PO # 30542  
Part # thickness tol ++ .030-.150" Rel #

ALUMINUM PLATE 7075-T651

1.750" THICK X 4.5000" X 72.0000"

Heat Number Tag No  
9327019 483447

Quantity PCS Wt LBS  
2.25 SFT 1 60

3) Our Order PEC-873901- 3 Your PO # 30542  
Part # THICKNESS TOL ++ .030-.200" Rel #

ALUMINUM PLATE 7075-T651

3.00" THICK X 7.5000" X 16.6250"

GRAIN DIRECTION ALONG THE 16.625 INCH LENGTH

Heat Number Tag No  
9330316 483448

Quantity PCS Wt LBS  
6.93 SFT 8 314

4) Our Order PEC-873901- 4 Your PO # 30542  
Part # \*\* OFFERING LENGTH Rel #

ALUMINUM PLATE 7075-T651 USI TESTED

.250" THICK X 6.0000" X 34.2500"

Heat Number Tag No  
146059B1 483493

Quantity PCS Wt LBS  
7.14 SFT 5 27

Page: 1 ....Continued

ALUMINIUM · LAITON · CUIVRE · PLASTIQUE  
ALUMINUM · BRASS · COPPER · PLASTIC

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 968294  
Ship Date 09Dec15 at 16:09 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

TOTAL: Tags 4 PCS 16 LBS 463

Heat Number 9330316 \*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL 3 SKIDS GW 541 LBS

ITEM# 1 - 1 BDL  
ITEM# 2 - 1 SKID  
ITEM# 3 - 1 SKID  
ITEM# 4 - 1 SKID

\*\*\*\*\* CLOSED FOR THE HOLIDAYS \*\*\*\*\*  
ON DEC. 25TH & 28TH, 31ST & JAN. 1ST.  
WE ARE OPENED FOR BUSINESS ON DEC. 24, 29 & 30.  
HAVE A HAPPY HOLIDAY SEASON!

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

Page: 2 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

SHIP FROM:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

NO: PEC 968294  
SHIP DATE 09Dec15 at 16:09 From PFW  
PROBILL  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

SHIP TO: ( 1)  
DART AEROSPACE

=====

B I L L O F L A D I N G

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*



Page: 3 .... Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

PO/Rel

BL PEC-000000-000

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: \_\_\_\_\_ Pg 1/3

Attn:

PART NO.



**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
46544  
US

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COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110362780		4075		INCLUSION		Serial:20151113-0110362780		Pg 1of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 149756					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.28000 in 32.51 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 147.00000 in 3,734 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00995		B/L NUMBER 51440		DATE SHIPPED 11/14/2015							
WT. SHIPPED 7060.000 LB		NO. OF PIECES 000005		GOVT. CONTRACT NO.							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K  
ASTM B209-14

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001151133	1,415.000	641.833	9327144	01		
1001151133	1,415.000	641.833	9327144	02		
1001151135	1,410.000	639.565	9327145	01		
1001151135	1,410.000	639.565	9327145	02		
1001151136	1,410.000	639.565	9327145	03		

Lot: 9327144

Tensile Test (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)	
		Min	Max	Min	Max	Min	Max
LT	02	81.1	81.4	70.9	71.5	12.5	13

Tensile Test (SI)

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
		Min	Max	Min	Max	Min	Max
LT	02	559	561	489	493	12.5	13

P-860-155D REVISED: 10 2014

# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

PO/Rel

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: \_\_\_\_\_ Pg 2/3  
Attn: \_\_\_\_\_

BL PEC-000000-000

PART NO.




**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

**S H I P T O**  
COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
46544  
US

**S O L D T O**  
COPPER & BRASS SALES  
PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110362780		4075		INCLUSION		Serial:20151113-0110362780		Pg 2of3																							
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 149756			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager																								
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.28000 in 32.51 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 147.00000 in 3,734 mm																												
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																	
CUSTOMER SPECIFICATION AMS QQ-A-250/12A																																	
PART NUMBER ALFLR00995			B/L NUMBER 51440		DATE SHIPPED 11/14/2015																												
WT. SHIPPED 7060.000 LB		NO. OF PIECES 000005		GOVT. CONTRACT NO.																													
Chemistry (Actual) <table border="1"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.05</td> <td>0.14</td> <td>1.52</td> <td>0.06</td> <td>2.61</td> <td>0.20</td> <td>5.52</td> <td>0.02</td> <td>0.01</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.14	1.52	0.06	2.61	0.20	5.52	0.02	0.01		
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																								
Core	0.05	0.14	1.52	0.06	2.61	0.20	5.52	0.02	0.01																								
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																	
All material contained in this lot was cast and manufactured in the USA <b>Lot: 9327148</b>																																	
<b>Tensile Test (US)</b> <table border="1"> <thead> <tr> <th rowspan="2">Direction</th> <th rowspan="2">Tests</th> <th colspan="2">Ultimate (KSI)</th> <th colspan="2">Yield (KSI)</th> <th colspan="2">Elongation (%)</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>80.4</td> <td>80.7</td> <td>70.4</td> <td>71.4</td> <td>12</td> <td>13</td> </tr> </tbody> </table>												Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Min	Max	Min	Max	Min	Max	LT	02	80.4	80.7	70.4	71.4	12	13
Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)																											
		Min	Max	Min	Max	Min	Max																										
LT	02	80.4	80.7	70.4	71.4	12	13																										
<b>Tensile Test (SI)</b> <table border="1"> <thead> <tr> <th rowspan="2">Direction</th> <th rowspan="2">Tests</th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>554</td> <td>556</td> <td>465</td> <td>492</td> <td>12</td> <td>13</td> </tr> </tbody> </table>												Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Min	Max	Min	Max	Min	Max	LT	02	554	556	465	492	12	13
Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)																											
		Min	Max	Min	Max	Min	Max																										
LT	02	554	556	465	492	12	13																										
P-850-155D REVISED: 10 2014																																	

# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

PO/Rel

BL PEC-000000-000

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: \_\_\_\_\_ Pg 3/3

Arm:

PART NO.



**Constellium**




**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
46544  
US

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COPPER & BRASS SALES  
PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110362780		4075		INCLUSION		Serial:20161113-0110362780		Pg 3of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 149756					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.28000 in 32.51 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 147.00000 in 3,734 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 558 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00985		B/L NUMBER 51440		DATE SHIPPED 11/14/2015							
WT. SHIPPED 7060.000 LB		NO. OF PIECES 000005		GOVT. CONTRACT NO.							
Chemistry (Actual)										DAS	
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR	14 15/12/16	
Core	0.05	0.14	1.52	0.06	2.61	0.20	5.52	0.02	0.01	9-89	
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
<b>QUALITY TEXTS:</b> Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety. Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.											
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWLS Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"											
P-850-155D REVISED: 10 2014											

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**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
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COPPER & BRASS SALES  
PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110363456		4075		INCLUSION		Serial:20151116-0110363456		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 149340					
ALLOY 7075	CLAD	TEMPER T651	GUAGE 1.78000 in 45.21 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 139.00000 in 3,531 mm	<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR00996			B/L NUMBER 51510		DATE SHIPPED 11/17/2015						
WT. SHIPPED 3740.000 LB		NO. OF PIECES 000002		GOVT. CONTRACT NO.							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K  
ASTM B209-14

DAS  
14 1512/16  
9-89

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001152635	1,870.000	848.217	9327019	03		
1001152635	1,870.000	848.217	9327019	04		

Lot: 9327019

Tensile Test (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)	
		Min	Max	Min	Max	Min	Max
LT	02	78	79	68	68.3	14	14.5

Tensile Test (SI)

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
		Min	Max	Min	Max	Min	Max
LT	02	538	545	469	471	14	14.5






**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
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COPPER & BRASS SALES  
PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110363456		4075		INCLUSION		Serial:20151116-0110363456		Pg 2of2				
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 149340								
<b>ALLOY</b> 7075		<b>CLAD</b>		<b>TEMPER</b> T654		<b>GAUGE</b> 1.78000 in 45.21 mm		<b>WIDTH</b> 72.50000 in 1,842 mm		<b>LENGTH</b> 139.00000 in 3,531 mm				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager								
CUSTOMER SPECIFICATION AMS QQ-A-250/12A														
PART NUMBER ALFLR00996			B/L NUMBER 51510									DATE SHIPPED 11/17/2015		
WT. SHIPPED 3740.000 LB			NO. OF PIECES 000002									GOVT. CONTRACT NO.		
Chemistry (Actual)														
		SI	FE	CU	MN	MG	CR	ZN	TI	ZR				
Core		0.05	0.14	1.55	0.04	2.55	0.24	5.58	0.02	0.00				
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER														
All material contained in this lot was cast and manufactured in the USA														
<b>QUALITY TEXTS:</b> Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety.  Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.  <div style="text-align: right;">DAS 14 9-69 15/12/16</div>														
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YW19 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"														
P-860-155D REVISED: 10 2014														

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**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
46544  
US

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COPPER & BRASS SALES  
PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110351732		4075		INCLUSION		Serial:20151014-0110351732		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 148960					
ALLOY 7075	CLAD	TEMPER T651	GUAGE 3.03000 in 76.96 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm						
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager					
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR01006		B/L NUMBER 49885		DATE SHIPPED 10/14/2015							
WT. SHIPPED 3300.000 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.							
DAS 14 1512/16 9-89											

**ALL LOTS ON THIS CERTIFICATION CONFORM TO THE FOLLOWING REQUIREMENTS:**

AMS 4045K  
ASTM B209-14

**Load Details**

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001132580	3,300.000	1,496.854	9330316	01		

**Lot: 9330316**

**Tensile Test (US)**

		Ultimate (KSI)		Yield (KSI)		Elongation (%)	
Direction	Tests	Min	Max	Min	Max	Min	Max
LT	02	80.8	81.2	70	70.6	13.5	13.5

**Tensile Test (SI)**

		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
Direction	Tests	Min	Max	Min	Max	Min	Max
LT	02	557	560	483	487	13.5	13.5



**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC


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COPPER & BRASS SALES  
1015 SAINT JEROME STREET  
MISHAWAKA IN  
46544  
US

S  
O  
L  
D  
  
T  
O

COPPER & BRASS SALES

PO BOX 5116  
SOUTHFIELD MI  
48086  
US

COPPER&BR		110351732		4075		INCLUSION		Serial:20151014-0110351732		Pg 2of2																					
CUSTOMER PURCHASE ORDER NO. & ITEM 5400270564						Constellium ORDER NO. 148960																									
ALLOY 7075	CLAD	TEMPER T651	GAUGE 3.03000 in 76.96 mm	WIDTH 72.50000 in 1,842 mm	LENGTH 144.50000 in 3,670 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA   Steve Good - Laboratory Manager																								
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WT. SHIPPED 3300.000 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.																											
<b>Chemistry (Actual)</b> <table border="1"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.05</td> <td>0.15</td> <td>1.53</td> <td>0.05</td> <td>2.61</td> <td>0.20</td> <td>5.51</td> <td>0.02</td> <td>0.01</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.15	1.53	0.05	2.61	0.20	5.51	0.02	0.01
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																						
Core	0.05	0.15	1.53	0.05	2.61	0.20	5.51	0.02	0.01																						
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																															
All material contained in this lot was cast and manufactured in the USA																															
<b>QUALITY TEXTS:</b> Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety.  Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.																															
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWL9 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"																															
P-860-155D REVISED: 10 2014																															

# KAISER ALUMINUM FABRICATED PRODUCTS

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER: 5400272057-10		WORK PACKAGE:		CUSTOMER PART NUMBER: ALFLR00983-48.5		PRODUCT DESCRIPTION: Sawed Plate	
KAISER ORDER NUMBER: 1201375	LINE ITEM: 1	SHIP DATE: 10/10/2015	ALLOY: 7075		CLAD: BARE	TEMPER: T651	
WEIGHT SHIPPED: 3262 LB	QUANTITY: 18 PCS EST.	B/L NUMBER: 2056384	GAUGE: 0.2500 IN		WIDTH: 48.500 IN	LENGTH: 144.500 IN	
SHIP TO:  COPPER & BRASS SALES 5450 EAST HOME FRESNO, CA 93727 US			SOLD TO:  COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US				

MHU 1937302: LOT 146059B1: 18 pieces

### Certified Specifications

AMS 4045/RevK AMS-QQ-A-250/12/RevA ASTM B 209/Rev14 CMMP 025/RevU

Test Code: 1512

### Test Results:

LOT 146059B1 CAST: 874 DROP: 16 INGOT: 5

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper  
T651

Dir/#Tests  
LT / 02 (Min:Max)

Ultimate KSI (MPA) Yield KSI (MPA) Elongation %  
84.9 : 85.7 74.4 : 75.9 12.0 : 12.3  
(585 : 591) (513 : 523)

DAS  
14 15/12/16  
9-89

(ASTM E1251)  
Chemistry: SI FE CU MN MG CR ZN TI V ZR OTHER  
Actual 0.09 0.20 1.5 0.03 2.5 0.20 5.6 0.03 0.01 0.01 TOT 0.06

Chemistry: SI FE CU MN MG CR ZN TI V ZR OTHER  
7075 MIN 0.00 0.00 1.2 0.00 2.1 0.18 5.1 0.00 0.00 0.00 MAX 0.05  
MAX 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.05 TOT 0.15

Aluminum Remainder

Plant Serial: 4393133  
Kaiser Order Number: 1201375  
Line Item: 1

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404235417

CstAr

CstOr 271628

Wgt.: 26.570 LB

Date 12/02/2015

*Thomas Sanchez*

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

## CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order: \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. \* was melted in the United States of America or a qualifying country per DFARS 225.272-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. \* has been thermally processed in compliance with AMS 2772, where applicable. \* is mercury free, within the limits of detection of ASTM E1231 (<1ppm). \* is in compliance with RoHS 2, European Union Directive 2011/65/EU. \* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) 1279/2006. \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

*James Hemenway*

Plant Serial: 4393133  
Kaiser Order Number: 1201375  
Line Item: 1

Page 2 of 2

From: ThyssenKrupp Materials NA  
Cust. THYSSENKRUPP MATERIALS CA LTD Del.: 2404235417  
CstAr CstOr 271628  
Wgt.: 26.570 LB Date 12/02/2015

*Thomas Sanchez*



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075 T6  
DATE: 15/12/16

PO / BATCH NO: 30542/M133829

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 6  
QUANTITY INSPECTED 6  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 1.750 X 4.500  
THICKNESS RECEIVED 1.825 X 4.525  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/16</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 147075T6  
 DATE: 15/12/16

PO / BATCH NO: 30542/133829

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 14.27'  
 QUANTITY INSPECTED: 14.27'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 6.000X.250  
 THICKNESS RECEIVED: 6.125X.252  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/12/16</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075T6  
DATE: 15/12/16

PO / BATCH NO: 30542/133829

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 11.08  
QUANTITY INSPECTED: 11.08  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 3.00X 7.500X16.68  
THICKNESS RECEIVED: 3.130X 7.60X16.70  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/16</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 1 of 9

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

PAID

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
----------	--	------------------------	--------------------------------------	----	--------------------------------	---------------	----------------

2	M303R0.375	303 Round Bar 0.375"	11/30/2015 Yes 11/30/2015		12.00 ✓ f	\$2.92	\$35.00
---	------------	----------------------	---------------------------------	--	--------------	--------	---------

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$35.00

3	M303R0.750	303 Round Bar 0.750	11/30/2015 Yes 11/30/2015		96.00 ✓ f	\$3.03	\$290.88
---	------------	---------------------	---------------------------------	--	--------------	--------	----------

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$290.88

8015-11-27

PO Instructions: NO. PEC ST-869586  
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 2 of 9

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :**

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

4	M304R1.000	304 round bar 1.00	11/30/2015	12.00 ✓ f	\$5.73	\$68.80
			Yes			
			11/30/2015			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

**Line Total:** \$68.80

5	M6061T6B0.250X06.000	6061-T6 Bar .250 x 6.00	11/30/2015	24.00 ✓ f	\$3.85	\$92.45
			Yes			
			11/30/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$92.45

6	M6061T6B0.500X10.000	6061-T6 Bar .500 x 10.00	11/30/2015	12.00 ✓ f	\$12.72	\$152.65
			Yes			
			11/30/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**PO Instructions:** NO. PEC ST-869586  
NO. PEC ST-870627

**Note:**

11/24/2015

2015-11-27





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 3 of 9

**Order From :**

VC-COP001

**Ship To :** DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$152.65

7 M6061T6B1.250X01.250 6061-T6 Bar 1.25 x 1.25 11/30/2015  
Yes  
11/30/2015

12.00

f

\$3.94 \$47.30

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$47.30

8 M6061T6B4.500X4.500 6061-T6 AluminumBar 11/30/2015  
4.500" X 4.500" No  
11/30/2015

8.00

f

\$64.00 \$511.97

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

NOTE: PLEASE CUT IN SECTION OF 4 FT

**Line Total:** \$511.97

SP15-11-27

**PO Instructions:** NO. PEC ST-869586  
NO. PEC ST-870627

**Note:**

11/24/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 4 of 9

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

9	M6061T6R0.750	6061-T6 Round Bar .750"	11/30/2015	24.00	f	✓	\$1.46	\$35.00
			Yes					
			11/30/2015					

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$35.00

10	M6061T6R1.000	ROUND BAR 1.00"	11/30/2015	12.00	f	✓	\$2.92	\$35.00
			Yes					
			11/30/2015					

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$35.00

11	M6061T6S.032	6061-T6 Sheet 0.032"	11/30/2015	144.00	sf	✓	\$1.92	\$276.30
			Yes					
			11/30/2015					

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER  
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027  
OR ASTM B209

PO Instructions: NO. PEC ST-869586  
NO. PEC ST-870627

Note:

11/24/2015

144.00  
sf  
DEC 07 2015  
DAS 26 9-88  
SP 15-11-27



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 5 of 9

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

					Line Total:	\$276.30
12	M6061T6S.090	6061-T6 .090 Sheet	11/30/2015	48.00	\$4.45	\$213.50
			Yes	sf		
			11/30/2015			
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209						
					Line Total:	\$213.50
13	M7075T6B1.250X2.000	7075-T6 BAR 1.250" X 2.000"	11/30/2015	24.50	\$19.14	\$468.82
			Yes	f		
			11/30/2015			
MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE						

SP15-11-27  
SP15-12-14  
18.33

PO Instructions: NO. PEC ST-869586  
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 6 of 9

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

Vendor Phone 905 669 9444

**Ship To Contact**

**Ship To Phone**

Ship Via: VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

14	M7075T6B1.750X04.500	7075-T6 BAR 1.750" X 4.500"	11/30/2015	6.00	✓	\$63.73	\$382.37
		Yes	11/30/2015	f			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$382.37

15	M7075T6B3.000X7.500	7075-T6 BAR 3.000' X 7.500" (order in billets)	11/30/2015	11.08	✓	\$134.48	\$1,490.00
		Yes	11/30/2015	f			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

CUT TO SIZE: 16.625" X 8 PCS GRAIN DIRECTION ALONG 16.625"

Line Total: \$1,490.00

*225-12-14*

PO Instructions: NO. PEC ST-869586  
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.  
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## PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 7 of 9

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

16 M7075T6B6.000X0.250 7075-T6 BAR 6.000" X 11/30/2015  
0.250"

Yes

11/30/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

14.27

\$18.39

\$262.50

f

17 M6061T6B30000X01.500 6061-T6 Bar 3.00 x 1.50 11/30/2015

Yes

11/30/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

12.00

\$11.81

\$141.75

f

18 M6061T6B1.000X02.000 6061-T6 Bar 1.00 x 2.00 11/30/2015

Yes

11/30/2015

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

12.00

\$5.92

\$71.05

f

**PO Instructions:** NO. PEC ST-869586  
NO. PEC ST-870627

**Note:**

11/24/2015





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## PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 8 of 9

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$71.05

19	M6061T6R3.000	6061-T6 RD BAR 3.000"	11/30/2015	FN	12.00	✓	\$19.50	\$234.00
			Yes		f			
			11/30/2015					

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

NOTE: PLEASE CUT IN HALF 2 SECTION OF 6 FT

**Line Total:** \$234.00

20	71401-45	PROCUREMENT QUALITY CLAUSES	11/30/2015		1.00	✓	\$0.00	\$0.00
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No

**Procurement Quality Clauses**

11/30/2015

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

SP15-11-27

**PO Instructions:** NO. PEC ST-869586  
NO. PEC ST-870627

**Note:**

11/24/2015



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## PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 9 of 9

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$0.00

**PO Total:** \$4,809.34

h  
CL

**PO Instructions:** NO. PEC ST-869586  
NO. PEC ST-870627

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 6

**Change Date:** 11/24/2015